

## CALL FOR PAPERS

**Canadian Transportation Research Forum  
56<sup>th</sup> Annual Conference, May 16-19, 2021  
\*\*\*Virtual Conference, Fredericton, New Brunswick\*\*\***

### **Ensuring Resilience in Transportation Systems: Anticipating and Responding to Pandemic, Climate, Demographic and Economic Changes**

Resilience is the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions. Unprecedented events such as COVID-19 have highlighted the need to ensure we are incorporating resilience in our transportation systems. Some of the critical areas of disruption and change are:

- **Pandemic** – adapting our transportation system to the changing needs and demands created by COVID-19 such as reduced transit demand, changing global trade patterns, increased active transportation and physical distancing measures.
- **Climate** – understanding how current and future climate conditions will impact transportation assets, operations, and programs, and lead the way to climate resilience in Canada.
- **Demographic** – preparing our transportation system for the needs of a changing and ageing population, including changing travel patterns and the role of new technology options to respond to changing needs.
- **Economic** – assessing how changes to our local and national economies will change the demands of the transport system, including permanent shifts to remote working, prolonged trade disruptions, and uncertain global outlook.

Our transportation systems require the ability to respond to these changing conditions and our transportation decision makers require the ability to anticipate future disruptions. Do we have the analytical tools, methods and data required to ensure resilience as we go forward?

For its 56<sup>th</sup> annual conference, CTRF seeks to maintain its pre-eminent reputation for open dialogue, stimulating debate and forward looking considerations of transportation research relevant to the theme “**Ensuring Resilience in Transportation Systems: Anticipating and Responding to Pandemic, Climate, Demographic and Economic Changes**” As such, the conference will be of interest to Canadian and international transportation policymakers, infrastructure and service providers, transportation users

and other stakeholders, researchers in academia and organizations, and the trade press, all within a lively forum that has become a tradition in Canada.

**With this Call for Papers, we invite prospective authors and presenters to submit abstracts of their research for the 2021 CTRF conference.** Preference is for relevant and thoughtfully developed applied research and policy recommendations of interest to transportation professionals and policy makers. Abstracts including from academia, the private and public sectors, all disciplines and perspectives, and experiences within and outside of Canada, are all welcome.

Submissions relating to operational, technological, managerial and economic matters, as well as policy issues including governance, regulation, safety, security and the environment, on all modes of transport, are all relevant. Areas of interest for research and discussion could include (but are not limited to):

- International trade and transportation corridors
- Transportation infrastructure investment
- Mobility and transport pricing
- Innovative technologies, e.g. on-demand transit, MaaS, Automated Vehicles
- Information technology innovations, e.g. machine learning, Artificial Intelligence
- Transportation for rural and remote communities
- Green transportation and climate change
- Transportation safety and security
- Decision making and analytical methodologies
- New and innovative data and information collection
- Integration of transportation within logistics and supply chain decision-making
- Public versus private sector roles and responsibilities
- Transportation demand and services supply, including infrastructure
- Government policy, regulation, fiscal policy and transportation funding approaches

### Key Dates

Abstracts accepted beginning	• <b>November 2, 2020</b>
Abstract submission deadline	• <b>January 1, 2021</b>
Latest response to authors	• <b>January 15, 2021</b>
Completed papers due	• <b>February 26, 2021</b>
Full conference registration due	• <b>March 5, 2021</b>
<b>Conference</b>	• <b>May 16-19, 2021</b>

## Instructions

**Submission of abstracts and papers must be done using the CTRF on-line submission tool.** This will be done by logging into the conference abstract and paper submission website reached directly at <http://web2.uwindsor.ca/maohhf/virtual/ctrf21>, or via [www.ctrf.ca](http://www.ctrf.ca), and then clicking on “Submit Abstracts Here.” Authors not already registered on the abstract and paper submission website will need to create an account that they can use to submit both their abstracts and papers by the dates given above.

Authors who wish to present their work at the conference but do not wish to submit a full paper (4000-4500 words) can submit a short paper (1200-1800 words) through the conference paper submission website. In submitting their abstract, authors **must indicate the type of paper that they will be submitting.**

All papers will be published in a pre-conference set of Conference Proceedings. **In order to have a paper published in the Conference Proceedings, the author (at least one author in the case of joint authorship) must register for the full conference and present the paper at the conference.** CTRF will continue its tradition of awarding prizes for the best conference papers. *Please note that short papers will not qualify for any award.*

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## Abstract Format

**Abstracts may be up to a maximum of 200 words in length and include up to four (4) key words. Abstracts and papers must be submitted as per the key dates listed above. All abstracts and papers submitted must adhere to the formatting instructions given in the on-line submission tool.**

At CTRF’s discretion, some abstracts may be placed on the CTRF website to promote the conference.

## Panel Sessions and Debate

In addition to research papers, the program will feature virtual Plenary Sessions on the conference theme and current topics of interest, as well as a virtual format of our annual Oxford-style debate (the Bison Transport Debate), a delightfully entertaining CTRF tradition.

## Conference Location and Venue

CTRF 2021 will be a virtual conference, and while circumstances will keep us from bringing the world to Fredericton, we are working to bring Fredericton to the world through a series of virtual events that showcase the city and region on Canada's east coast. The conference will feature virtual paper sessions and we are anticipating additional enhanced virtual formats for our Plenary Sessions and annual Bison Transport Debate.

**CTRF remains committed to the in-person dialogue around transportation. We look forward to returning to the traditional in-person format as soon as possible.**

## Inquiries

**Inquiries regarding submission of abstracts and papers may be directed to:**

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**Conference registration and other inquiries may be directed to:**

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